

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P507722

Luminaire Tested: **VERD-S-CA1-80-727-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-80-727-U-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 1500mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8552 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

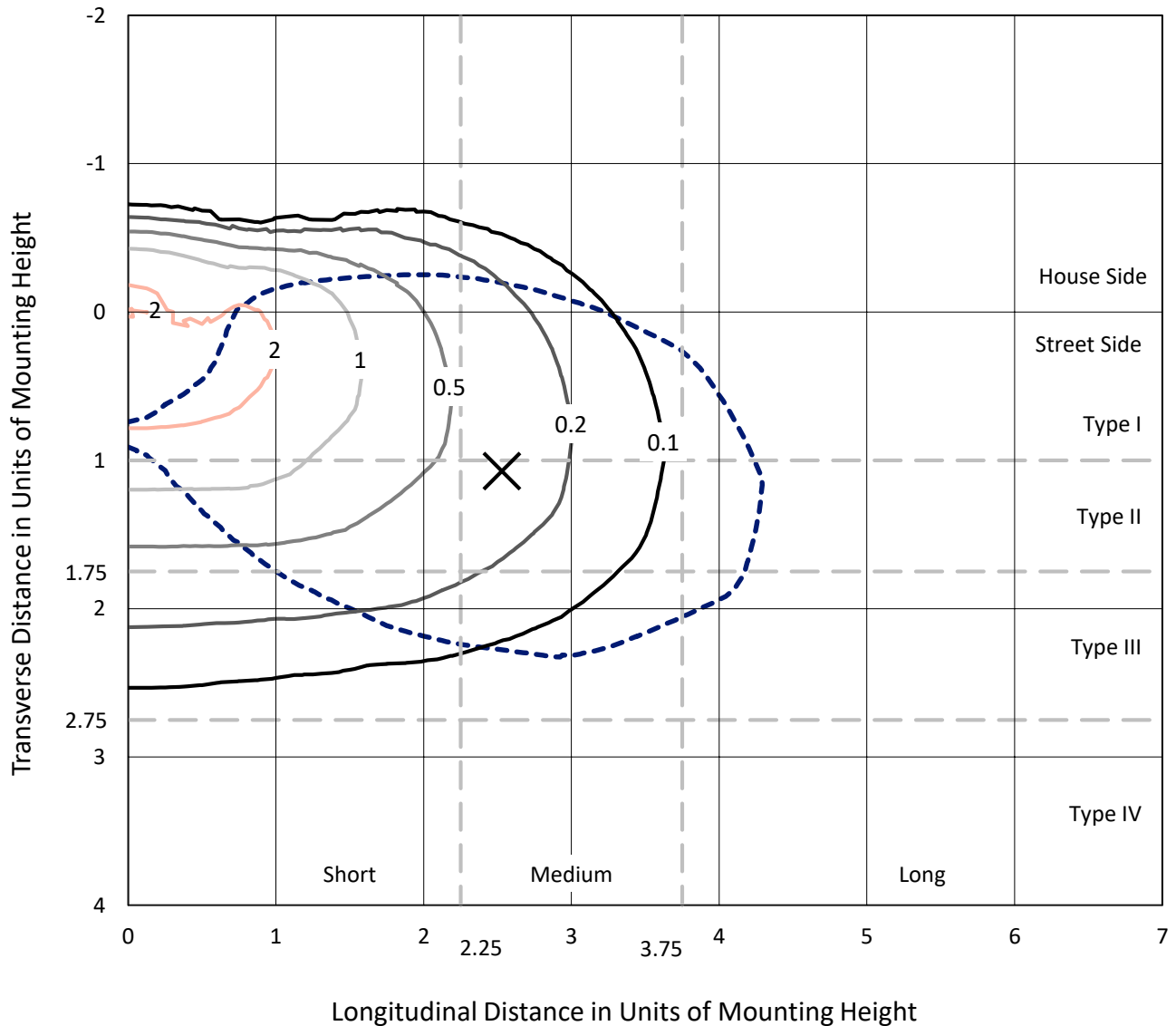
Input Watts (W): 83.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507722
 CATALOG NUMBER: VERD-S-CA1-80-727-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

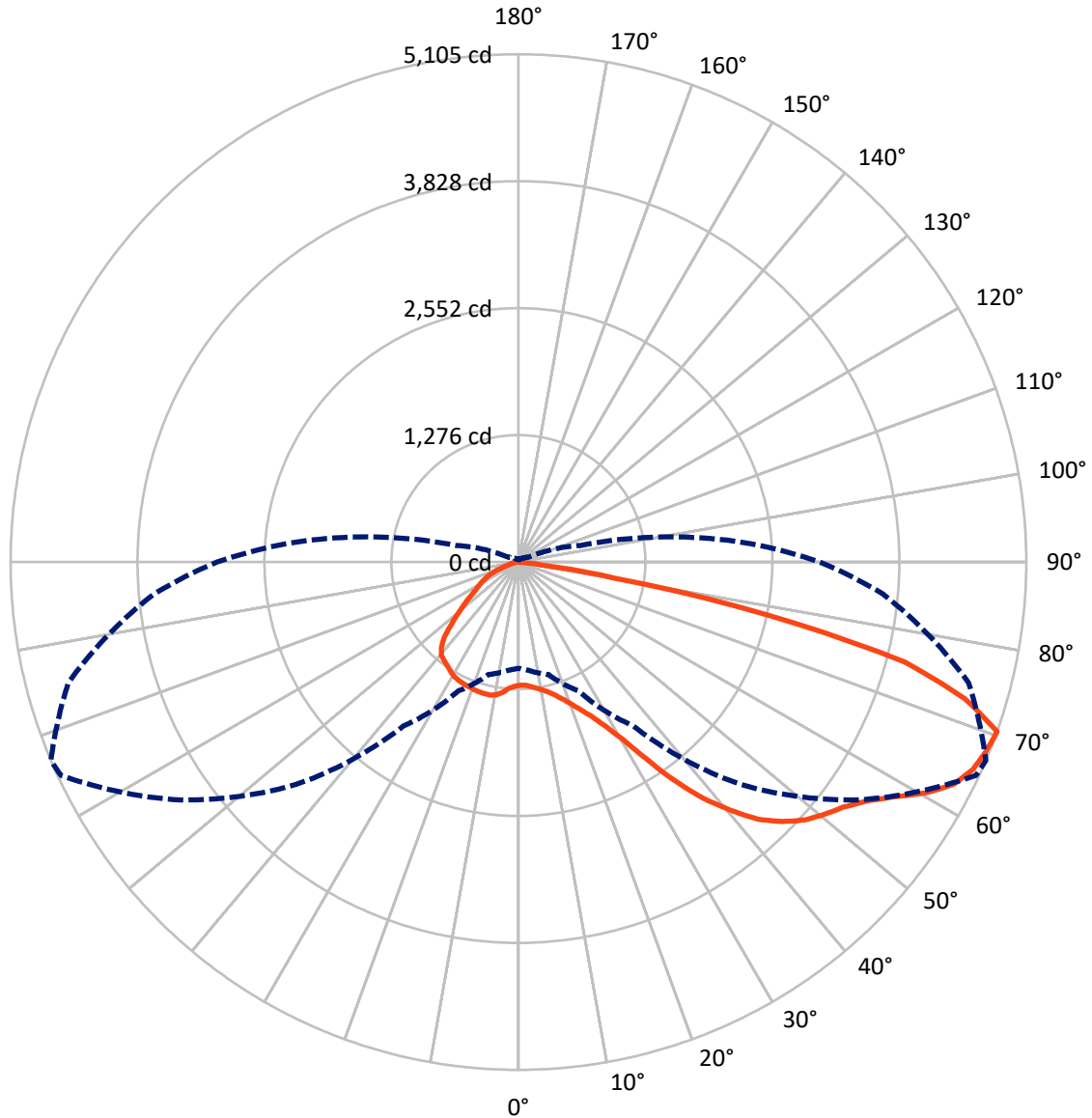
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P507722
CATALOG NUMBER: VERD-S-CA1-80-727-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P507722

CATALOG NUMBER: VERD-S-CA1-80-727-U-T3-HSS

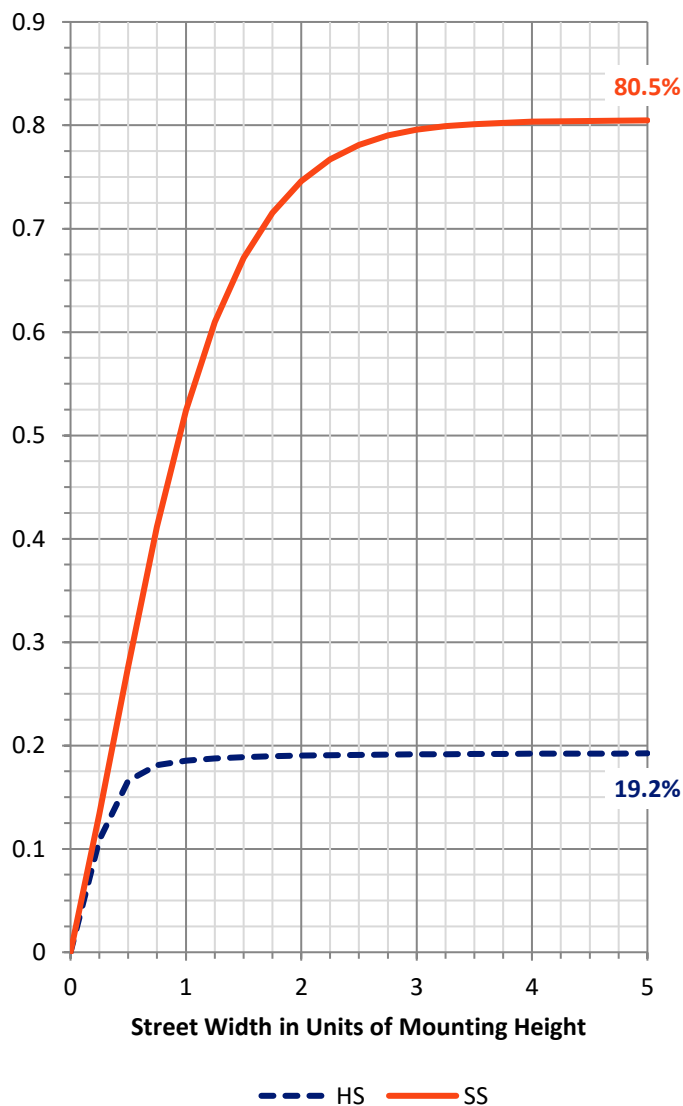
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1666.6	0.0	1666.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	6885.4	0.0	6885.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	8552.0	0.0	8552.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.6	1.5
10°-20°	394.8	4.6
20°-30°	686.1	8.0
30°-40°	1074.3	12.6
40°-50°	1511.6	17.7
50°-60°	1802.9	21.1
60°-70°	1868.1	21.8
70°-80°	1030.9	12.1
80°-90°	58.7	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8552.0	100.0
0°-180°	8552.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507722

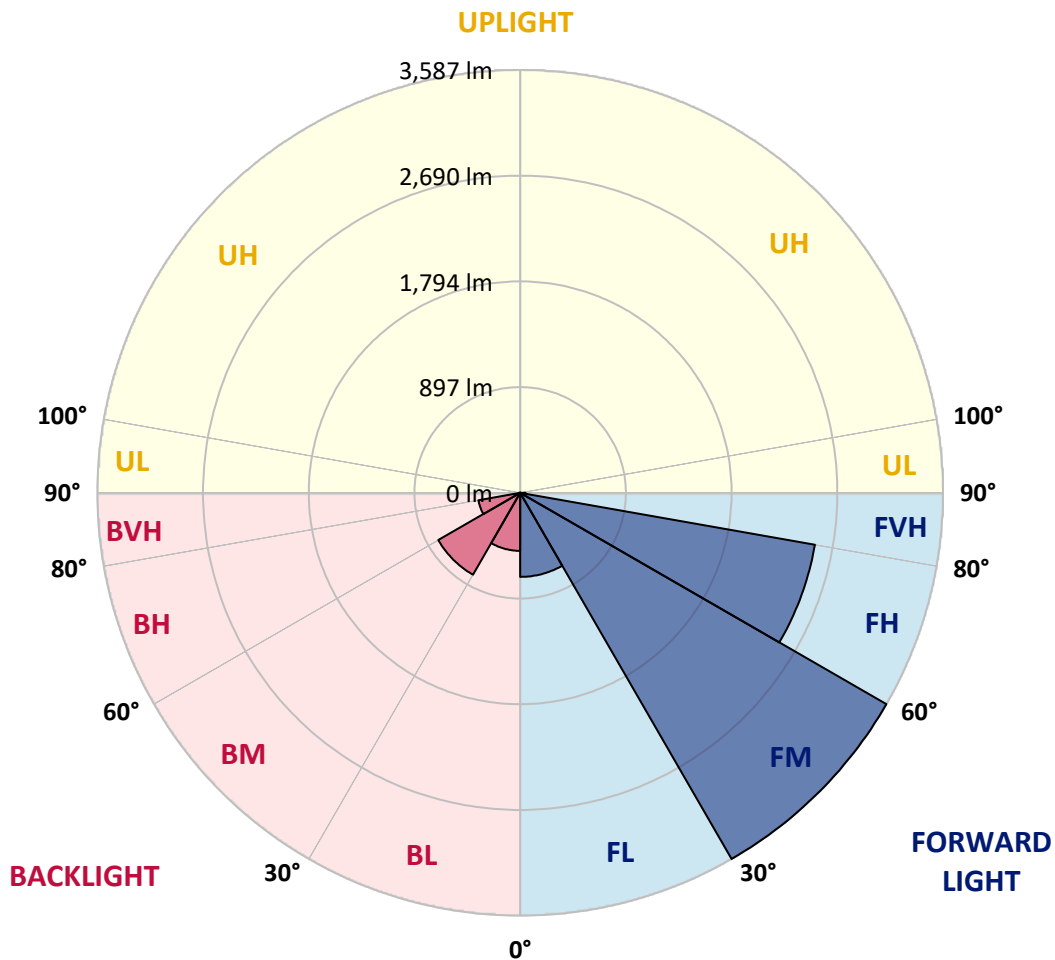
CATALOG NUMBER: VERD-S-CA1-80-727-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.4	8.3			
FM (30°-60°)	3587.1	41.9			
FH (60°-80°)	2539.3	29.7			G2/5000
FVH (80°-90°)	45.6	0.5			G1/100
BL (0°-30°)	492.1	5.8	B1/500		
BM (30°-60°)	801.7	9.4	B1/1000		
BH (60°-80°)	359.8	4.2	B1/500		G1/500
BVH (80°-90°)	13.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P507722

CATALOG NUMBER: VERD-S-CA1-80-727-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5
2.5°	1246.3	1246.3	1246.3	1243.7	1243.7	1243.7	1241.1	1238.5	1238.5	1238.5	1241.1
5°	1280.0	1280.0	1277.4	1274.8	1272.2	1264.4	1259.2	1256.7	1256.7	1254.1	1259.2
7.5°	1321.6	1321.6	1321.6	1316.4	1308.6	1298.2	1287.8	1280.0	1277.4	1274.8	1277.4
10°	1383.9	1383.9	1378.7	1370.9	1357.9	1342.3	1324.2	1308.6	1306.0	1300.8	1306.0
12.5°	1464.4	1456.6	1451.4	1438.4	1422.8	1396.9	1368.3	1344.9	1339.7	1334.5	1352.7
15°	1547.4	1544.9	1531.9	1524.1	1498.1	1464.4	1425.4	1394.3	1389.1	1378.7	1394.3
17.5°	1646.1	1648.7	1643.5	1630.5	1594.2	1544.9	1498.1	1454.0	1448.8	1441.0	1448.8
20°	1781.1	1775.9	1765.5	1747.4	1705.8	1640.9	1581.2	1531.9	1524.1	1518.9	1511.1
22.5°	1916.1	1918.7	1898.0	1879.8	1827.9	1765.5	1685.1	1625.3	1615.0	1612.4	1576.0
25°	2046.0	2051.1	2043.4	2020.0	1975.9	1895.4	1807.1	1734.4	1721.4	1718.8	1656.5
27.5°	2181.0	2183.6	2191.4	2181.0	2134.2	2051.1	1952.5	1869.4	1869.4	1848.6	1755.2
30°	2310.8	2316.0	2321.2	2321.2	2297.8	2225.1	2139.4	2066.7	2066.7	2051.1	1890.2
32.5°	2412.0	2414.6	2445.8	2471.8	2471.8	2419.8	2362.7	2354.9	2352.3	2380.9	2199.1
35°	2502.9	2510.7	2554.8	2624.9	2653.5	2632.7	2635.3	2663.9	2692.5	2762.6	2624.9
37.5°	2570.4	2580.8	2622.4	2702.8	2783.3	2837.9	2889.8	2967.7	3011.8	3118.3	2928.7
40°	2588.6	2601.6	2689.9	2804.1	2933.9	3058.5	3152.0	3248.1	3276.6	3351.9	3113.1
42.5°	2531.5	2544.5	2656.1	2887.2	3068.9	3263.7	3364.9	3486.9	3536.3	3507.7	3266.3
45°	2492.5	2500.3	2617.2	2879.4	3185.8	3463.6	3562.2	3689.5	3720.6	3653.1	3393.5
47.5°	2443.2	2451.0	2573.0	2869.0	3281.8	3634.9	3702.4	3842.7	3873.8	3770.0	3502.5
50°	2370.5	2375.7	2515.9	2848.2	3344.1	3757.0	3832.3	3972.5	3985.5	3879.0	3606.4
52.5°	2282.2	2297.8	2432.8	2798.9	3388.3	3832.3	3923.1	4073.7	4091.9	4019.2	3720.6
55°	2162.8	2181.0	2336.7	2726.2	3372.7	3858.2	3964.7	4208.7	4239.9	4180.2	3816.7
57.5°	2040.8	2066.7	2219.9	2624.9	3310.4	3897.2	4102.3	4408.7	4450.2	4338.6	3894.6
60°	1916.1	1926.5	2084.9	2487.3	3206.5	3936.1	4258.1	4670.9	4709.8	4494.3	3956.9
62.5°	1773.3	1786.3	1926.5	2297.8	3027.4	3899.8	4374.9	4891.6	4915.0	4624.2	3982.9
65°	1607.2	1607.2	1726.6	2066.7	2785.9	3770.0	4390.5	5005.8	5021.4	4707.2	3951.7
67.5°	1376.1	1386.5	1482.5	1781.1	2461.4	3515.5	4302.2	5031.8	5070.7	4759.2	3866.0
70°	1067.1	1090.5	1171.0	1428.0	2009.6	3162.4	4169.8	5073.3	5104.5	4683.9	3673.9
72.5°	729.6	753.0	825.7	978.8	1448.8	2536.7	3772.5	4681.3	4689.1	4317.8	3300.0
75°	192.1	212.9	270.0	392.1	607.6	1705.8	3017.0	3964.7	4011.4	3733.6	2723.6
77.5°	57.1	57.1	70.1	90.9	124.6	347.9	1534.5	2526.3	2573.0	2461.4	1698.0
80°	44.1	44.1	51.9	62.3	80.5	179.2	532.3	932.1	989.2	1056.7	701.0
82.5°	28.6	31.2	33.8	36.3	36.3	72.7	142.8	238.9	236.3	257.0	225.9
85°	18.2	18.2	15.6	15.6	13.0	18.2	13.0	15.6	18.2	18.2	20.8
87.5°	2.6	0.0	0.0	0.0	0.0	2.6	2.6	5.2	5.2	5.2	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P507722

CATALOG NUMBER: VERD-S-CA1-80-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5	1238.5
2.5°	1243.7	1246.3	1248.9	1251.5	1256.7	1256.7	1259.2	1259.2	1259.2	1259.2	1259.2
5°	1259.2	1261.8	1269.6	1277.4	1295.6	1306.0	1316.4	1324.2	1324.2	1329.4	1329.4
7.5°	1282.6	1290.4	1313.8	1324.2	1339.7	1355.3	1363.1	1365.7	1370.9	1370.9	1370.9
10°	1321.6	1329.4	1347.5	1355.3	1363.1	1363.1	1360.5	1357.9	1350.1	1347.5	1350.1
12.5°	1357.9	1368.3	1368.3	1365.7	1357.9	1347.5	1334.5	1321.6	1308.6	1298.2	1298.2
15°	1402.0	1396.9	1381.3	1360.5	1339.7	1313.8	1287.8	1264.4	1243.7	1235.9	1235.9
17.5°	1441.0	1428.0	1394.3	1355.3	1311.2	1269.6	1228.1	1189.1	1152.8	1139.8	1132.0
20°	1487.7	1464.4	1404.6	1344.9	1282.6	1217.7	1147.6	1077.5	1015.2	989.2	986.6
22.5°	1542.3	1503.3	1420.2	1329.4	1246.3	1147.6	1030.8	932.1	869.8	838.6	833.4
25°	1607.2	1550.0	1435.8	1316.4	1202.1	1056.7	900.9	789.3	711.4	677.7	664.7
27.5°	1687.7	1612.4	1456.6	1300.8	1134.6	945.1	768.5	638.7	553.0	511.5	506.3
30°	1791.5	1687.7	1477.3	1277.4	1051.5	815.3	625.7	480.3	394.7	353.1	342.7
32.5°	2030.4	1840.8	1503.3	1238.5	947.7	690.6	472.5	322.0	236.3	197.3	194.7
35°	2435.4	2186.2	1563.0	1186.5	843.8	542.6	303.8	171.4	127.2	111.6	111.6
37.5°	2739.2	2474.4	1724.0	1119.0	708.8	363.5	155.8	101.3	80.5	77.9	77.9
40°	2920.9	2645.7	1900.6	1043.7	547.8	194.7	96.1	77.9	72.7	70.1	70.1
42.5°	3071.5	2788.5	1983.6	950.3	347.9	109.0	80.5	72.7	67.5	64.9	64.9
45°	3196.2	2897.6	1994.0	830.8	194.7	90.9	75.3	64.9	62.3	59.7	59.7
47.5°	3294.8	2991.0	1968.1	662.1	122.0	85.7	70.1	59.7	54.5	54.5	54.5
50°	3388.3	3071.5	1895.4	521.9	114.2	80.5	64.9	54.5	51.9	51.9	51.9
52.5°	3474.0	3128.6	1773.3	420.6	106.5	75.3	62.3	51.9	46.7	49.3	49.3
55°	3544.1	3152.0	1648.7	324.5	101.3	72.7	59.7	49.3	44.1	44.1	44.1
57.5°	3583.0	3102.7	1544.9	246.7	98.7	70.1	57.1	46.7	38.9	36.3	36.3
60°	3585.6	3037.8	1448.8	207.7	93.5	64.9	54.5	41.5	33.8	31.2	31.2
62.5°	3538.9	2959.9	1303.4	179.2	88.3	62.3	49.3	38.9	31.2	28.6	28.6
65°	3448.0	2822.3	1142.4	153.2	85.7	62.3	44.1	36.3	31.2	26.0	26.0
67.5°	3302.6	2593.8	926.9	135.0	80.5	57.1	44.1	33.8	28.6	26.0	26.0
70°	3027.4	2266.6	641.3	116.8	75.3	51.9	41.5	33.8	28.6	23.4	23.4
72.5°	2609.4	1840.8	316.8	96.1	64.9	51.9	41.5	31.2	26.0	23.4	23.4
75°	2017.4	1319.0	192.1	77.9	51.9	46.7	38.9	31.2	26.0	20.8	20.8
77.5°	1186.5	586.8	137.6	59.7	38.9	36.3	33.8	28.6	23.4	20.8	20.8
80°	433.6	249.3	101.3	46.7	31.2	31.2	26.0	23.4	20.8	18.2	18.2
82.5°	168.8	132.4	67.5	33.8	26.0	23.4	20.8	18.2	15.6	15.6	15.6
85°	23.4	23.4	23.4	18.2	15.6	15.6	13.0	13.0	10.4	10.4	10.4
87.5°	7.8	7.8	7.8	10.4	7.8	7.8	5.2	5.2	5.2	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)